

GenCore version 4.5

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OM nucleic - nucleic search, using sw model

Run on: August 28, 2002, 07:07:20 ; Search time 1593.33 Seconds
(without alignments)
13138.381 Million cell updates/sec

Title: US-08-711-417c-165

Perfect score: 1551

Sequence: 1 ATGATGCTGACGAGGTCA.....ACCGTTCCATGAGCTAA 1551

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 13736207 seqs, 6748477542 residues

Total number of hits satisfying chosen parameters: 27472414

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

EST:*
1: em_estba:*
2: em_esthum:*
3: em_estini:*
4: em_estmi:*
5: em_estov:*
6: em_estpl:*
7: em_estro:*
8: em_hic:*
9: gb_estl:*
10: gb_estl2:*
11: gb_hic:*
12: gb_gss:*
13: em_gss_hum:*
14: em_gss_inv:*
15: em_gss_pln:*
16: em_gss_vrt:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
c 1	452.4	29.2	557	9	AI325349
2	424.2	27.4	994	10	BF794111
3	409.2	26.4	948	9	AL561534
4	383	24.7	442	9	AW503638
c 5	372.8	24.0	509	9	AA027561
6	362	23.3	731	9	BB207438
7	353.6	22.8	669	9	BB629847
c 8	348.8	22.5	936	9	AA866707
c 9	325.4	21.0	339	9	AA808413
c 10	271.4	17.5	369	9	AA814418
c 11	251.6	16.2	293	9	AA976805
12	239.2	15.4	1093	10	BM458447
c 13	237.4	15.3	704	10	BF731127
14	231.8	14.9	571	10	BG089790
15	229.8	14.8	451	9	AI323339
16	221.4	14.3	686	9	AJ396733
17	198.8	12.8	648	10	BF471977

c 18	191.4	12.3	577	9	AA863970
19	179.8	11.6	708	9	BB635722
20	176.4	11.4	404	9	AA223756
21	174.6	11.3	300	9	BB489077
22	172	11.1	381	9	AW502759
23	166	10.7	304	9	BB235180
24	164	10.6	566	10	BI680684
25	162.6	10.5	529	10	BM362676
26	159.8	10.3	665	9	AJ399435
27	158.6	10.2	674	9	BB634826
28	156.8	10.1	291	9	BB230132
29	149.8	9.7	434	9	AJ393522
30	149.6	9.6	863	11	AK004152
31	148.8	9.6	358	9	AW405039
32	148.2	9.6	515	10	BM148203
33	147.4	9.5	316	9	BB491059
34	147.4	9.5	497	9	AJ397064
35	143.2	9.2	440	10	BG094579
36	142.2	9.2	471	10	BG145166
c 37	140.8	9.1	468	10	BE947123
38	134.6	8.7	2055	11	AF116605
39	129	8.3	285	9	BB231819
c 40	126.8	8.2	430	9	AI241390
41	124.2	8.0	235	9	AI365526
42	118.8	7.7	653	9	BB588267
43	118.6	7.6	297	9	BB488934
44	115	7.4	401	9	AI644775
45	115	7.4	517	9	AA290536

ALIGNMENTS

RESULT 1

AI325349/c

LOCUS

DEFINITION

ACCSSION

VERSION

KEYWORDS

SOURCE

ORGANISM

REFERENCE

AUTHORS

TITLE

JOURNAL

COMMENT

FEATURES

source

source

source

source

source

source

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source

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AI325349 557 bp mRNA linear EST 23-DEC-1998
mi06e03.y1 Soares mouse placenta 4NMPI3.5 14.5 Mus musculus cdna
clone IMAGE:459676 5' similar to gb:L03547 Mouse Ikars DNA binding
protein (MOUSE);, mRNA sequence.
AI325349
AI325349.1 GI:4059778
EST.
house mouse.
Mus musculus
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
1 (bases 1 to 557)
Marra, M., Hillier, L., Allen, M., Bowles, M., Dietrich, N., Dubuque, T.,
Geisel, S., Kucaba, T., Lacy, M., Le, M., Martin, J., Morris, M.,
Schellenberg, K., Steptoe, M., Tan, F., Underwood, K., Moore, B.,
Theising, B., Wyllie, T., Lennon, G., Soares, B., Wilson, R. and
Waterston, R.
The WashU-HMI Mouse EST Project
Unpublished (1996)
Contact: Marra M/Mouse EST Project
WashU-HMI Mouse EST Project
Washington University School of MedicineP
4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
Tel: 314 286 1800
Fax: 314 286 1810
Email: mouseest@wustl.edu
This clone is available royalty-free through LLNL; contact the
IMAGE Consortium (info@image.llnl.gov) for further information.
MG1:278564
This read is a RESEQUENCE of a previously sequenced mouse clone
correct orientation)
Seq primer: -40RP from Gibco
High quality sequence stop: 417.
Location/Qualifiers
1..557
/organism="Mus musculus"
/strain="C57BL/6J"

/db_xref="taxon:10090"
/clone="IMAGE:459676"
/clone_lib="Soares mouse placenta 4NDMP13.5 14.5"
/sex="unknown"
/tissue_type="placenta"
/dev_stage="adult"
/lab_host="DH10B"
/note="Organ: placenta; Vector: pT73D-Pac (Pharmacia)
with a modified polylinker; Site_1: Not I; Site_2: Eco RI;
1st strand cDNA was primed with a Not I - oligo(dT) primer
[5',
TGTACCAACTGAGTGGAGCGCGCGGAAATTTTTTTTTTTTTTTTTTTT
T 3']; double-stranded cDNA was ligated to Eco RI adaptors
(Pharmacia), digested with Not I and cloned into the Not I
and Eco RI sites of the modified pT73 vector. Library
went through one round of normalization, and was
constructed by Bento Soares and M.Fatima Bonaldo."
BASE COUNT 116 a 157 c 127 g 155 t 2 others
ORIGIN

Query Match 29.2%; Score 452.4; DB 9; Length 557;
Best Local Similarity 89.5%; Pred. No. 7.9e-84;
Matches 486; Conservative 0; Mismatches 57; Indels 0; Gaps 0;

QY 1 ATGGGATGCTGACGAGGTCACAGCATGCTTCTCATCAGGAGGAAGCCGCCCTGTA 60
Db 543 ATGGGATGCTGACGAGGTCACAGCATGCTTCTCATCAGGAGGAAGCCGCCCTGTA 484
QY 61 AGCGATACCTCCAGATGAGGGCGATGAGCCCATGCCGATCCCGGAGGACCTCTCCACCAACC 120
Db 483 AGTGACACTCAGATGAAGGGGATGAGCCCATGCCGATGCCGATGAGGACCTCTCCACTACC 424
QY 121 TCGGAGGACACGAAGCTCCAGAGTGCACAGAGTGTGGCCAGTAATGTTAAAGTAGAG 180
Db 423 TCTGGAGCACAGCAACTCCAGAGTGTATCGAGGCATGGCCAGTAATGTTAAAGTAGAG 364
QY 181 ACTCAGAGTGAAGAGAAATGGCGTGTCTGTAATGAATGGGGAAGAATGTGCGGAG 240
Db 363 ACTCAGAGTGAAGAGAAATGGCGTGTCTGTAATGAATGGGGAAGAATGTGCGGAG 304
QY 241 GATTTACGAATGCTTATGCTGCGGAGAGAAATGAATGGTCCCAAGGACCAAGGC 300
Db 303 GATTTACGAATGCTTATGCTGCGGAGAGAAATGAATGGTCCCAAGGACCAAGGC 244
QY 301 AGCTCGGCTTTGTCGGAGTGTGGAGGCAATCGACTTCCTTAACGGAATACTAAAGTGTAT 360
Db 243 AGCTCGGCTTTGTCGGAGTGTGGAGGCAATCGACTTCCTTAACGGAATACTAAAGTGTAT 184
QY 361 ATCTGTGGGATCATTTGTCATCGGGGCCCAATGTGCTCATGTTTCACAAAAGAGCCACACT 420
Db 183 ATCTGTGGGATCATTTGTCATCGGGGCCCAATGTGCTCATGTTTCACAAAAGAGTCACTACT 124
QY 421 GGAGAACGGCCCTTCAGATGCAATAGTGGGGGCTCATTCACCCAGAGGGCAACCTG 480
Db 123 GGTGAACGGCCCTTCAGATGCAATAGTGGGGGCTCATTCACCCAGAGGGCAACCTG 64
QY 481 CTCGGCACATCAAGCTGATTCGGGGAGAGCCCTTCAAAATGCCACTCTGCAACTAC 540
Db 63 CTCGGCACATCAAGCTGATTCGGGGAGAGCCCTTCAAAATGCCACTCTGCAACTAT 4
QY 541 GCC 543
Db 3 GCC 1

RESULT 2
BF794111
LOCUS 602255675F1 NIH_MGC_85 Homo sapiens cDNA clone IMAGE:4338834 5',
DEFINITION mRNA sequence.
ACCESSION BF794111
VERSION BF794111.1 GI:12099165

KEYWORDS EST.
SOURCE human.
ORGANISM Homo sapiens
REFERENCE 1 (bases 1 to 994)
AUTHORS NIH-MGC http://mgc.nci.nih.gov/.
TITLE National Institutes of Health, Mammalian Gene Collection (MGC)
JOURNAL Unpublished (1999)
COMMENT Contact: Robert Strausberg, Ph.D.
Email: cgapbs@mail.nih.gov
Tissue Procurement: Louis Staudt, M.D., Ph.D.
cDNA Library Preparation: Life Technologies, Inc.
DNA Sequencing by: The I.M.A.G.E. Consortium (ILNL)
Clone distribution: MGC clone distribution information can be
found through the I.M.A.G.E. Consortium/ILNL at:
http://image.llnl.gov
Plate: LLAM948 row: f column: 19
High quality sequence stop: 657.

FEATURES
source
Location/Qualifiers
1..994
/organism="Homo sapiens"
/db_xref="taxon:9606"
/clone="IMAGE:4338834"
/clone_lib="NIH_MGC_85"
/tissue_type="lymphoma, cell line"
/lab_host="DH10B (phage-resistant)"
/note="Organ: lymph; Vector: pCMV-SpORF6; Site_1: NotI;
Site_2: SalI; Cloned unidirectionally; oligo-dT primed.
Average insert size 1.867 kb. Library enriched for
full-length clones and constructed by Life Technologies.
Note: this is a NIH_MGC Library."
BASE COUNT 302 a 234 c 306 g 152 t
ORIGIN

Query Match 27.4%; Score 424.2; DB 10; Length 994;
Best Local Similarity 80.6%; Pred. No. 6.4e-78;
Matches 570; Conservative 0; Mismatches 128; Indels 9; Gaps 6;
QY 1 ATGGATCTCAGCAGGCTCAAGACATGCTCTTCTCATCAGGAGGAAGAAAGCCGCCCTGTA 60
Db 192 ATGGATCTCAGCAGGCTCAAGACATGCTCTTCTCATCAGGAGGAAGAAAGCCGCCCTGTA 251
QY 61 AGCGATACCTCCAGATGAGGGCGATGAGCCCATGCCGATCCCGGAGGACCTCTCCACCAACC 120
Db 252 AGCGATACCTCCAGATGAGGGCGATGAGCCCATGCCGATCCCGGAGGACCTCTCCACCAACC 311
QY 121 TCGGAGGACACGAAGCTCCAGAGTGCACAGAGTGTGGCCAGTAATGTTAAAGTAGAG 180
Db 312 TCGGAGGACACGAAGCTCCAGAGTGCACAGAGTGTGGCCAGTAATGTTAAAGTAGAG 371
QY 181 ACTCAGAGTGAAGAGAAATGGCGTGTCTGTAATGAATGGGGAAGAATGTGCGGAG 240
Db 372 ACTCAGAGTGAAGAGAAATGGCGTGTCTGTAATGAATGGGGAAGAATGTGCGGAG 431
QY 241 GATTTACGAATGCTTATGCTGCGGAGAGAAATGAATGGTCCCAAGGACCAAGGC 300
Db 432 GATTTACGAATGCTTATGCTGCGGAGAGAAATGAATGGTCCCAAGGACCAAGGC 491
QY 301 AGCTCGGCTTTGTCGGAGTGTGGAGGCAATCGACTTCCTTAACGGAATACTAAAGTGTGA 359
Db 492 AGCTCGGCTTTGTCGGAGTGTGGAGGCAATCGACTTCCTTAACGGAATACTAAAGTGTGA 551
QY 360 TATCTGTGGGATCATTTGTCATCGGGGCCCAATGTGCTCATGTTTCACAAAAGAGCCACAC 419
Db 552 TATCTGTGGGATCATTTGTCATCGGGGCCCAATGTGCTCATGTTTCACAAAAGAGCCACAC 610
QY 420 TGGAGAACGGCCCTTCAGATGCAATAGTGGGGGCTCATTCACCCAGAGGGCAACCT 479
Db 611 TGGAGAACGG-CTTTTCAAGTCAATCAGTGGGGG-CTCATTCCACCAAGACGGGCA--CT 666

QY	480	GCTCGGCACATCAAGCTGCAATTCGGGGGAGAGCCCTTCAATGCCACCTCTCTGCAACTA	539
Db	667	GGTCGGGCACATCATGCTGCGATCGGGGAGAAA---CCCTTAAATGCTCACTTCTGAATAAG	723
QY	540	CGCTTCGCCGCGGAGGACGCCCTCACTGCGCCACCTGAGGACGACACCTCCGTTGGTAAACC	599
Db	724	CATGTCGCCGAGGAACGCCCTTACGTGGCACCTGAGGAGCCACACATAAGAGAAGATA	783
QY	600	TCACAAATGTGTGATATTGTGTGCCGAAGCTATAAACACAGCGGAACGCTCTTTAGAGGAACATAA	659
Db	784	CAGGAATGGGAGACCTGGAGAGAGAAGACACGGGGAACAACACAGAACACCGCCACAA	843
QY	560	AGAGCGGTGCCAACACTACTTTGGAAGCATGGCGCTTCCGGGCACAC	706
Db	844	CGAGCCCTGTGGCCGACAAACGGGGGAAGCGGTGGCACGCGGAAGAC	890
RESULT 3			
AL561534	AL561534	948 bp	mRNA
LOCUS	AL561534	LTI_NFL010_BC2	Homo sapiens cDNA clone CS0DL011Y003 5
DEFINITION	prime, mRNA sequence.		
ACCESSION	AL561534		
VERSION	AL561534.1	GI:12909059	
KEYWORDS	EST.		
SOURCE	human.		
ORGANISM	Homo sapiens		
REFERENCE	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.		
AUTHORS	1 (bases 1 to 948)		
TITLE	Li, W.B., Gruber, C., Jessee, J. and Polayes, D.		
JOURNAL	Full-length cDNA libraries and normalization		
COMMENT	Contact: Genoscope Genoscope - Centre National de Sequencage BP 191 91006 EVRY cedex - France Email: seqref@genoscope.cns.fr, Web : www.genoscope.cns.fr.		
FEATURES	Location/Qualifiers		
source	1..948		
	/organism="Homo sapiens"		
	/db_xref="taxon:9606"		
	/clone="CS0DL011Y003"		
	/clone_lib="LTI_NFL010_BC2"		
	/sex="male"		
	/tissue_type="B cells from Burkitt lymphoma"		
	/note="Vector: pCMVSPORT 6; Site_1: NotI; 1st strand cDNA was primed with a NotI-oligo(dT) primer. Five prime end enriched, double-stranded cDNA was digested with Not I and cloned into the Not I and Eco RV sites of the pCMVSPORT 6 vector. Library was normalized. Library was constructed by Life Technologies. Contact : Feng Liang Life Technologies, a division of Invitrogen 9800 Medical Center Drive, Rockville, Maryland 20850, USA Fax : (301) 301 610 8371 Email : fliang@lifetech.com URL : http://fulllength.invitrogen.com"		
BASE COUNT	251 a	212 c	269 g
ORIGIN	215 t	1 others	
Query Match	26.4%	Score	409.2; DB 9; Length 948;
Best Local Similarity	98.1%	Pred. No.	8.2e-75;
Matches	414; Conservative	0; Mismatches	78; Indels
	0; Gaps	0;	
QY	1	ATGGATGCTGACGAGGGTCAAGACATGTCTTCTCATCGAGGAAGAAAGCCCCCTGTGA	60
Db	155	ATGGATGCTGATGAGGGTCAAGACATGTCCCAAGTTTCAGGGAAGAAAGCCCCCTGTGA	214
QY	61	AGCGTACTCCAGATGAGGCGCATGAGCCCATCCGATCCCGAGGACCTCTCCACACC	120
Db	215	AGCGTACTCCAGATGAGGCGCATGAGCCCATCCGATCCCGAGGACCTCTCCACACC	274
QY	121	TCGGGAGGACAGCAAGCTCCAAGATGACAGAGTCGTGGCCAGTATGTGTAAGTAGAG	180

VERSION	BM458447.1	GI:18507487
KEYWORDS	EST	
SOURCE	human	
ORGANISM	Homo sapiens	
REFERENCE	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.	
AUTHORS	NIH-MGC http://mgc.nci.nih.gov/	
TITLE	1 (bases 1 to 1093)	
JOURNAL	National Institutes of Health, Mammalian Gene Collection (MGC)	
COMMENT	Unpublished (1999) Contact: Robert Strausberg, Ph.D. Email: cgapbs-remail.nih.gov Tissue Procurement: Lou Staudt cDNA Library Preparation: Life Technologies, Inc. cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL) DNA Sequencing by: Agencourt Bioscience Corporation Clone distribution: MGC clone distribution information can be found through the I.M.A.G.E. Consortium/LLNL at: http://image.llnl.gov Plate: LLAM12126 row: j column: 13 High quality sequence stop: 663.	
FEATURES	Location/Qualifiers	
source	1..1093	
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	/db_xref="taxon:9606"	
	/clone="IMAGE:5497068"	
	/clone_lib="NIH_MGC_85"	
	/tissue_type="lymphoma, cell line"	
	/lab_host="DH10B (phage-resistant)"	
	/note="Organ: lymph; Vector: pCMV-Sport6; Site_1: NotI; Site_2: SalI; Cloned unidirectionally; oligo-dT primed. Average insert size 1.867 kb. Library enriched for full-length clones and constructed by Life Technologies. Note: this is a NIH_MGC Library."	
BASE COUNT	345 a 242 c 274 g 230 t	2 others
ORIGIN		
Query Match	15.4%	Score 239.2; DB 10; Length 1093;
Best Local Similarity	66.5%	Pred. No. 1.5e-39;
Matches	448; Conservative	0; Mismatches 190; Indels 36; Gaps 6;
QY	338	CTAACGGAAACTAAGTGTGATATCTGTGGATCATTTTGGATCGGGCCCCCAATGTGCTCA 397
Db	380	CCAGTGGAAAGATGAACCTGCGATGTGTGGATTATCTCGATCATCAGCTCAATGTCTTAA 439
QY	398	TGTTTCACAAAAGACCACTGAGAACGGCCCTTCCAGTGCATCAGTGGGGGCT 457
Db	440	TGTTTCATTAAGCGAAGCCATCTGTGTAACGCCCAATTCAGTGTATCAGTGGGGCAT 499
QY	458	CATTACCCAGAGGGCAACCTGCTCCGGCAATCAAGCTGCATTCCGGGGAGAGGCCCT 517
Db	500	CTTTTACTCAGAAAGTAACCTCTCCGCGACATTAATTAACACACAGGGGAAACCTT 559
QY	518	TCAATGCCACCTCTGCAACTAGCCTGCCCGCGAGGAGCGCCCTCACTGGCCACCTGA 577
Db	560	TTAAGTGTCACTCTGCAACTATGATGCAAGAAAGAGATGCGCTCAGGGGCACTCTTA 619
QY	578	GGACGACCTCCCTGTGTAACCTCAAAATGTGGATTTGTGGCGGAAGCTATAACAGC 637
Db	620	GGACATCTCTGTGGAAACCCCTACAAATGTGAGTTTGTGGAGAGAGTTACAGACAGA 679
QY	638	GAACGTCTTTAGAGAACATAAAGAGCGCTGCCACAACTACTTTGTTGAAAGCATGGGCCCTTC 697
Db	680	GAAGTTCCCTTGGAGGACAAAGAGCGCTGCCGTACATTTTCTTCAGAGCACTGACC--C 737
QY	698	CGGGACACTGTACCAGTCATTAAGAGAACTTAAGCAAGTGAATGGCAGAGACC 757
Db	738	AGGGGACACTGCAAGTGGCGGAGCAGACATCAAGCA----- 777
QY	758	TGTGCAAGATAGGATCAGAGACTCTCTCGTGTGCAGACACTAGCAAGTATGTGCGCA 817
Db	778	-----GAGATGGGAAGTGAAGAGCTCTCGTACTGGACAGATTACAGCAATGTGGCAA 832
QY	818	AAGTAAGAGCTCTATGCTCTCAGAAATTTCTTGGGACAAAGGCTGTCCGACACGCCCT 877
Db	833	AACGCTCAATGCTCTCAGAAATTTCTTGGGAGGCGCCACTGCTTTGATGTCA 891
QY	878	ACGA-----CAGTGCCAGCTACGAGAGAGAGAAATGATGAAGTCCACGCTGATGA 932
Db	892	ACTATATTCAGTTACATGTATGAGAAANA-AATGAGCTCATACGAGCCCGCATGATGA 950
QY	933	CAAGGCATCAACAGCCATCAACT--ACCTGGGGCGAGTCCCTGCGCCGCTGGTG 990
Db	951	CCAACCATCAATACGCGCATAGCTTATCTGCGCCCGAAGACCTGCGCCCTTGGGG 1010
QY	991	CAGACGCCGCCCGG 1004
Db	1011	TCAAAACGCGCTG 1024
RESULT 13		
BF731127/c		
LOCUS	BF731127	704 bp mRNA linear EST 08-JAN-2001
DEFINITION	mab81e11.y1 NCI CGAP BC3 Mus musculus cDNA clone IMAGE:3976797 5', similar to SW:IKAR_MOUSE Q03267 DNA-BINDING PROTEIN IKAROS ;, mRNA sequence.	
ACCESSION	BF731127	
VERSION	BF731127.1	GI:12048991
KEYWORDS	EST	
SOURCE	house mouse.	
ORGANISM	Mus musculus	
REFERENCE	1 (bases 1 to 704)	
AUTHORS	NCI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.	
TITLE	National Cancer Institute, Cancer Genome Anatomy Project (CGAP), Tumor Gene Index	
JOURNAL	Unpublished (1997)	
COMMENT	Contact: Robert Strausberg, Ph.D. Email: cgapbs-remail.nih.gov Tissue Procurement: David Segal Ph.D., Herbert Morse M.D. cDNA Library Preparation: Life Technologies, Inc. cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL) DNA Sequencing by: Washington University Genome Sequencing Center Clone distribution: NCI-CGAP clone distribution information can be found through the I.M.A.G.E. Consortium/LLNL at: http://image.llnl.gov	
FEATURES	Location/Qualifiers	
source	1..704	
	/organism="Mus musculus"	
	/db_xref="taxon:10090"	
	/clone="IMAGE:3976797"	
	/clone_lib="NCI CGAP BC3"	
	/tissue_type="marginal zone B-cell tumor"	
	/lab_host="DH10B (T1-resistant)"	
	/note="Organ: lymphocytes (flow-sorted); Vector: pCMV-Sport6 (Life Technologies); mRNA made from flow-sorted lymphocytes, cDNA made by oligo-dT priming. Directionally cloned. Average insert size 1.8 kb. Primary library, non-amplified. cDNA Library Preparation: David B. Krizman, Ph.D."	
BASE COUNT	162 a 200 c 186 g 154 t	2 others
ORIGIN		
Query Match	15.3%	Score 237.4; DB 10; Length 704;
Best Local Similarity	83.6%	Pred. No. 3.2e-39;
Matches	281; Conservative	0; Mismatches 52; Indels 3; Gaps 1;
QY	1219	AGCGGTCTTACTACCTGACCAACACATCGCCGAGCGCGC---AACCGTGTGCTC 1275

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Db 606 AGCGCGGTATCTACCTAACCCACATACCCGCCATGCACGCAATGGGTGGCTCTC 547
QY 1276 AAGGAGGACACCGCGCCCTACGACCTGCTCGCGCGCGCTCCGAGAACTCGCAGGACGG 1335
Db 546 AAGGAGGACACCGCGCCCTACGAGTGCTGAGGGCGGCTCAGAGAACTCGCAGGATGCC 487
QY 1336 CTCGCGGTGGTCAGCACACGAGCGGGAGCAGATGAAGGTGTACAAGTGGCAACACTGCCGG 1395
Db 486 TCCCGTGTGGTCAGCAGGAGTGGCAGCAGCTGAAGGTGTACAAGTGGCAACACTGCCGG 427
QY 1396 GTCTCTCTCTGATCAGCTCATGTACACCATCCACATGGGCTGCCAGGGCTTCGGTGTAT 1455
Db 426 GTCTCTCTCTGATCAGCTCATGTATACCATTCACATGGGCTGCCAGGGCTTCGGGAT 367
QY 1456 CTTTGTAGTGAACATGTGCGGCTACACAGCCAGGACCGGTAGGAGTTCCTGTCGCAC 1515
Db 366 CCCTTTGAGTGAACATGTGTTGTTATACACAGCAGGACGATGAGTTCCTCATCCCAT 307
QY 1516 ATAAACGAGGAGGACCGCTTCACATGAGCTTACAGCTGACCTA 1551
Db 306 ATACGCGGGGGAGCATCGTTACCACNTGAGCTAA 271

RESULT 14
BG089790
LOCUS
DEFINITION
mab81e11.x1 NCI_CGAP_BC3 Mus musculus cDNA clone IMAGE:3976797 3',
similar to SW:IKAR_MOUSE Q03267 DNA-BINDING PROTEIN IKAROS ;, mRNA
sequence.
ACCESSION
BG089790
VERSION
BG089790.1 GI:12572353
KEYWORDS
EST.
SOURCE
house mouse.
ORGANISM
Mus musculus
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
REFERENCE
1 (bases 1 to 571)
NCI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.
National Cancer Institute, Cancer Genome Anatomy Project (CGAP),
Tumor Gene Index
Unpublished (1997)
Other_ESTs: mab81e11.y1
Contact: Robert Strausberg, Ph.D.
Email: cgapbs-re@mail.nih.gov
Tissue Procurement: David Segal Ph.D., Herbert Morse M.D.
cDNA Library Preparation: Life Technologies, Inc.
DNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Washington University-Genome Sequencing Center
Clone distribution: NCI-CGAP clone distribution information can be
found through the I.M.A.G.E. Consortium/LLNL at:
http://image.llnl.gov
MGI:1476829
Possible reversed clone: similarity on wrong strand
Seq primer: 400P from Gibco
High quality sequence stop: 244.
Location/Qualifiers
1. 571
/organism="Mus musculus"
/db_xref="taxon:10090"
/clone="IMAGE:3976797"
/clone_lib="NCI_CGAP_BC3"
/tissue_type="Marginal zone B-cell tumor"
/lab_host="DH10B (T1-resistant)"
/note="Organ: Lymphocytes (flow-sorted); Vector:
pCMV-SPORT6 (Life Technologies); mRNA made from
flow-sorted lymphocytes, cDNA made by oligo-dr priming.
Directionally cloned. Average insert size 1.8 kb. Primary
library, non-amplified. cDNA Library Preparation: David
B. Kitzman, Ph.D."
BASE COUNT 140 a 148 c 171 g 111 t 1 others
ORIGIN

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Query Match 14.9%; Score 231.8; DB 10; Length 571;
Best Local Similarity 81.1%; Pred. No. 4.4e-38;
Matches 305; Conservative 0; Mismatches 68; Indels 3; Gaps 3;

QY 1 ATGATGCTGACGAGGTCAAGACATGTCCTTTCTCATCAGGGAAGAAAGCCCTCTCCACC 60
Db 185 ATGATGCTGATGAGGTCAAGACATGTCCTTTCAGGAAGAGAGAGAGAGAGAGAGAG 244
QY 61 AGCATATCTCCAGATGAGGCGGATGAGCCCATGCCGATCCCGAGGACCTCTCCACCACC 120
Db 245 AGTGACATCCANATGAAGGGGATGAGCCCATGCTGCTGAGGACCTGTTCATACC 304
QY 121 TCGGAGGACAGCAAGAGCTCCAAGAGTGACAGAGTGTGGCCAGTAAATGTTAAAGTAGAG 180
Db 305 TCTGGACACAGGAGAACTCCAAGAGTGTGAGGCGATGCCAGTAAATGTTAAAGTAGAG 364
QY 181 ACTCAGAGTGTGAAGAGAAATGGCGTGCCTGTGAATGAATGGGAAGAAATGTCGGGAG 240
Db 365 ACTCAGAGTGTGAAGAGAAATGGCGTGCCTGTGAATGAATGGGAAGAAATGTCGGAA 424
QY 241 GATTACGAATGCTTGTATGCTCGGAGAGAAAATGAATGCTCCACAGGACCAAGGC 300
Db 425 GATTACGAATGCTTGTATGCTCGGAGAGAAAATGAATGCTCCACATGGATCCAGG 483
QY 301 AGCTCGGCTTTGTGGGAGTGGAGGCAATTCGACTTCTTAACGGAAGAACTAAAGTGTGAT 360
Db 484 CGCTTCGGCTTGTGAGGAGTGGAG-GCATTGCGACTTCTTACGGAAGAACT-AAAGTGTGAT 541
QY 361 ATCTGTGGGATCATTT 376
Db 542 TTCTGTGGATTCGTTT 557

RESULT 15
AI323339
LOCUS
DEFINITION
mi06s03.x1 Soares mouse placenta 4NbMP13.5 14.5 Mus musculus cDNA
clone IMAGE:459676 3', similar to gb:U03547 Mouse Ikars DNA binding
protein (MOUSE);, mRNA sequence.
ACCESSION
AI323339
VERSION
AI323339.1 GI:4057768
KEYWORDS
EST.
SOURCE
house mouse.
ORGANISM
Mus musculus
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
REFERENCE
1 (bases 1 to 451)
Marra, M., Hillier, L., Allen, M., Bowles, M., Dietrich, N., Dubuque, T.,
Geisel, S., Kucaba, T., Lacy, M., Le, M., Martin, J., Morris, M.,
Schellenberg, K., Steptoe, M., Tan, F., Underwood, K., Moore, B.,
Theising, B., Wyllie, T., Lennon, G., Soares, B., Wilson, R. and
Waterston, R.
The WashU-HMI Mouse EST Project
Unpublished (1996)
Contact: Marra M/Mouse EST Project
WashU-HMI Mouse EST Project
Washington University School
4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
Tel: 314 286 1800
Fax: 314 286 1810
Email: mouseest@wustl.edu
This clone is available royalty-free through LLNL; contact the
IMAGE Consortium (info@image.llnl.gov) for further information.
MGI:276564
This clone was previously sequenced on the 5' end only, this new
data is from the 3' end
High quality sequence stop: 429.
Location/Qualifiers
1. 451
/organism="Mus musculus"
/strain="C57BL/6J"
FEATURES
source

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/db_xref="taxon:10090"
/clone="IMAGE:459676"
/clone_lib="Soares mouse placenta 4NDMP13.5 14.5"
/sex="unknown"
/tissue_type="placenta"
/dev_stage="adult"
/lab_host="DH10B"
/notes="Organ: placenta; Vector: pT7T3D-Pac (Pharmacia)
with a modified polylinker; Site_1: Not I; Site_2: Eco RI;
1st strand cDNA was primed with a Not I - oligo(dT) primer
[5,
TGTTACCAATCTGAAGTGGAGCGCGGAGAAATTTTTTTTTTTTTTTTTTTT
T 3']; double-stranded cDNA was ligated to Eco RI adaptors
(Pharmacia), digested with Not I and cloned into the Not I
and Eco RI sites of the modified pT7T3 vector. Library
went through one round of normalization, and was
constructed by Bento Soares and M.Fatima Bonaldo."
BASE COUNT      115 a      121 c      141 g      74 t
ORIGIN
```

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Query Match      14.8%; Score 229.8; DB 9; Length 451;
Best Local Similarity 88.6%; Pred. No. 1.1e-37;
Matches 249; Conservative 0; Mismatches 32; Indels 0; Gaps 0;

Qy 1 ATGGATGCTGACGAGGCTCAAGACATGCTTTCTCATCAGGAGGAAAGCCCCCTGTA 60
Db 171 ATGGATGCTGATGAGGGTCAAGACATGCTCCCAAGTTTCAGGAAAGGAGAGCCCCCAGTC 230

Qy 61 AGCGATCTCCAGATGAGGGGATGAGCCCATGCCGATCCCGAGGACCTCTCCACCACC 120
Db 231 AGTGACACTCCAGATGAGGGGATGAGCCCATGCCGCTGCTCCCTGAGGACCTGTCCACTACC 290

Qy 121 TCGGAGACAGCAAGCTCCAAGAGTGACAGAGTCTGTGCCAGTAATGTAAAGTAGAG 180
Db 291 TCTGAGCACACAGAACTCCAGAGTGATCGAGGCATGCCAGTAAATGTTAAAGTAGAG 350

Qy 181 ACTCAGATGATGAAGAGAAATGGCGCTGCTGTAATGAATGGGGAAGAAATGTGCGGAG 240
Db 351 ACTCAGATGATGAAGAGAAATGGCGCTGCTGTAATGAATGGGGAAGAAATGTGCGAGAG 410

Qy 241 GATTACGAATGCTTGATGCTCGGGAGAGAAATGAATGG 281
Db 411 GATTACGAATGCTTGATGCTCGGGAGAGAAATGAATGG 451
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Search completed: August 28, 2002, 09:02:15
Job time: 6895 sec

